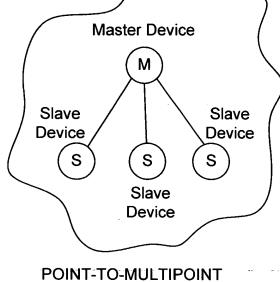
POINT-TO-POINT PICONET

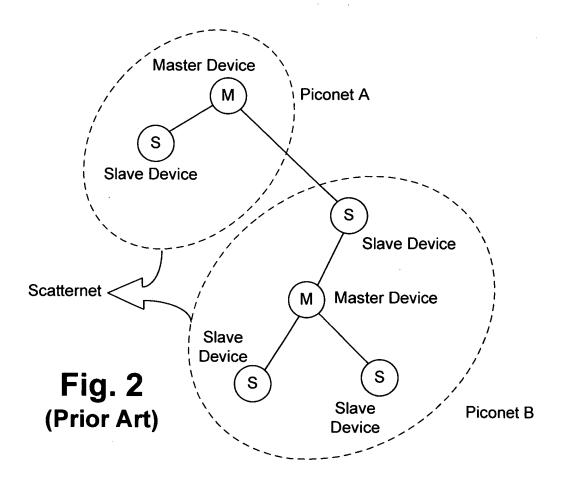
Slave Device

S



PICONET

Fig. 1 (Prior Art)



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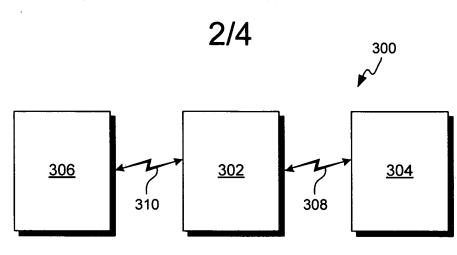
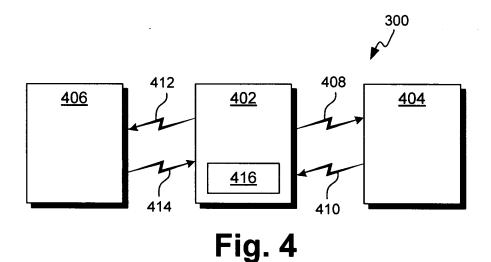


Fig. 3



300 506 520 <u>505</u> <u>502</u> <u>504</u> Override selections 508 522 529 **₽**530 <u>5</u>28 <u>525</u> <u>527</u> <u>526</u> (· 524 512

Fig. 5

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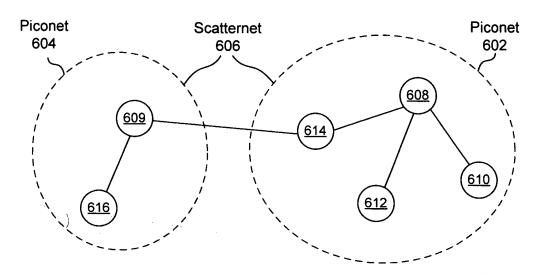


Fig. 6

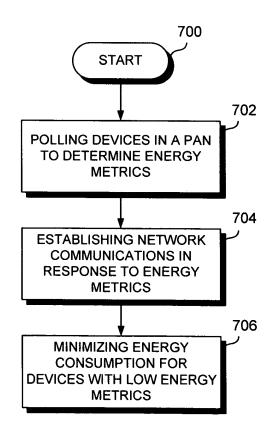


Fig. 7

Inventor(s): Robert Bruce Ganton Filing Date: February 6, 2002 Atty. Doc. No.: UTL 00050 App. No.: 10/072,174 4/4 800 **START** 802 POLLING DEVICES IN A BLUETOOTH NETWORK 802a **ESTABLISH A PICONET** 802d 802b SUPPLYING IDENTIFICATION DATA SUPPLYING ENERGY METRIC **DATA** 802c RETRIEVING ENERGY METRIC DATA 802e **DETERMINING IF DEVICES ARE POWERED BY BATTERY** 802f **DETERMINING CHARGE REMAINING AND CONNECTION TO CHARGER** 802g **DETERMINING LINK ENERGY METRIC** 804 **ESTABLISHING NETWORK COMMUNICATIONS RULES** 804a **DETERMINING PRIORITY OF OPERATION** 804b **OPTIMIZING BATTERY LIFE** 804c MODIFYING LINK STATES 804d ESTABLISHING RULES IN RESPONSE TO LINK Fig. 8 **ENERGY METRIC**

Title: System and Method for Personal Area Network (PAN) Distributed Global Optimization